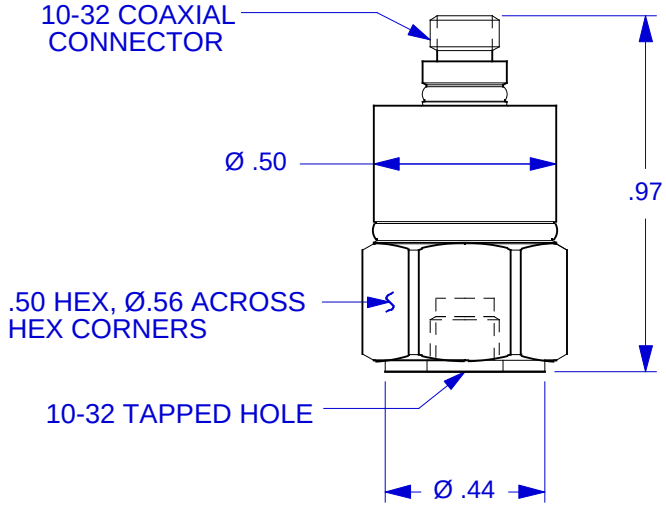

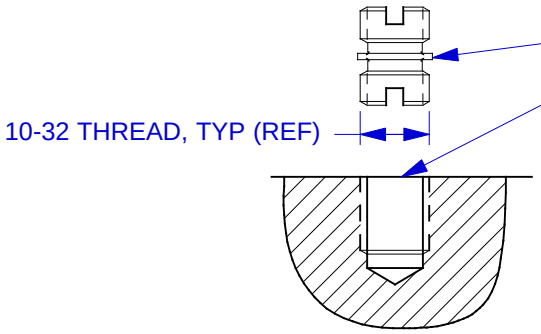
MODEL 6200 MOUNTING STUD, PROVIDED
10-32 THREAD, TYP (REF)
SELECT SURFACE FLAT TO .OO1 TIR
MOUNTING HOLE PREPARATION:
DRILL #21 (.159) DIA. X .250 DEEP
BOTTOM TAP 10-32 UNF-2B X .200
MIN. DEPTH PERF. THD.

3. SEAL: HERMETIC.
2. CASE MATERIAL: 300 SERIES STAINLESS STEEL, NON-MAGNETIC.
1. WEIGHT: 14 GRAMS.

EXCEPT AS OTHERWISE NOTED

ALL DIMENSI0NS IN INCHES
TOLERANCE: .XXX = ± .005 .XX= ± .01

SURFACE FINISH EXCEPT AS NOTED 63

BREAK EDGES TO DEBURR RADIUS OR CHAMFER .003 MAX

1 THESE DIAS ⌀ TO .002 T.I.R.

FILLETS - .003 MAX RAD.

DYTRAN INSTRUMENTS, INC. CHATSWORTH, CA.

SCALE 2X	REV -	DATE -	ECN -		
DATE 9/27/00	PART NO. 3152C2				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED	NEXT ASSEMBLY	USED ON MODEL 3152C2			

TITLE
OUTLINE/INSTALLATION DRAWING, MODEL 3152C2

DWG NO. **127-3152C2**

SHEET 1 OF 1

SPECIFICATIONS

MODEL 3152C2 CHARGE MODE PIEZOELECTRIC ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE, F.S. { 1 }	1000	G
SENSITIVITY, +20%/-10%	-4.0	pC/G
FREQUENCY RESPONSE, +/- 5% { 2 }	2 to 5000	Hz
MOUNTED RESONANT FREQUENCY	25	kHz
AMPLITUDE LINEARITY	+/- 2	% FS
TRANSVERSE SENSITIVITY, MAX.	5	%
CAPACITANCE, NOM.	2300	pF
OPERATING TEMPERATURE RANGE	-65 to +500	°F
COEFFICIENT OF THERMAL SENSITIVITY	.04	%/°F
MAXIMUM SHOCK	3000	G's, PK
MAXIMUM VIBRATION	±700	G
OUTPUT SIGNAL POLARITY (FOR ACCELERATION TOWARDS TOP)		NEGATIVE
SIZE, HEX X HEIGHT	0.50 X 0.93	IN.
WEIGHT	14	GRAMS
CONNECTOR, TOP MOUNTED	10-32	COAXIAL
ELECTRICAL GROUNDING	CASE IS GROUND RETURN	
MOUNTING PROVISION	0.15 DEEP TAPPED HOLE IN BASE	10-32
CASE MATERIAL	STAINLESS STEEL, NON-MAGNETIC	300 SERIES
ENVIRONMENTAL SEAL	HERMETIC (WELDED, GLASS-TO-METAL)	

ACCESSORIES SUPPLIED: (1) MODEL 6200 MOUNTING STUD

NOTES:

{ 1 } FULL SCALE RANGE FOR ±5 V OUT IS DEPENDENT UPON THE RANGE SETTING OF THE CHARGE AMPLIFIER

{ 2 } LOW FREQUENCY RESPONSE IS DETERMINED BY THE DISCHARGE TIME CONSTANT (TC) OF THE CHARGE AMPLIFIER.